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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
10/081,554	02/22/2002	Hiroto Yoshii	B588-027	4281
26272 7:	590 11/02/2005		EXAMINER	
COWAN LIEBOWITZ & LATMAN P.C.			LIN, JERRY	
JOHN J TORRENTE 1133 AVE OF THE AMERICAS NEW YORK, NY 10036			ART UNIT	PAPER NUMBER
			1631	

DATE MAILED: 11/02/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No.	Applicant(s)
		10/081,554	YOSHII, HIROTO
Office Action Summary		Examiner	Art Unit
		Jerry Lin	1631
Period fo	The MAILING DATE of this communication app or Renly	ears on the cover sheet w	vith the correspondence address
A SHOWHIC - Externafter - If NO - Failur Any r	ORTENED STATUTORY PERIOD FOR REPLY CHEVER IS LONGER, FROM THE MAILING DANSIONS of time may be available under the provisions of 37 CFR 1.13 SIX (6) MONTHS from the mailing date of this communication. Period for reply is specified above, the maximum statutory period were to reply within the set or extended period for reply will, by statute, reply received by the Office later than three months after the mailing and patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNI B6(a). In no event, however, may a rill apply and will expire SIX (6) MO cause the application to become A	ICATION. reply be timely filed NTHS from the mailing date of this communication. BANDONED (35 U.S.C. § 133).
Status			
2a)⊠	Responsive to communication(s) filed on 19 Au This action is FINAL . 2b) This Since this application is in condition for allowan closed in accordance with the practice under E	action is non-final. ace except for formal mat	
Dispositi	on of Claims		
5)□ 6)⊠ 7)□	Claim(s) 1-11 and 13-51 is/are pending in the at 4a) Of the above claim(s) 22-45,49 and 50 is/are Claim(s) is/are allowed. Claim(s) 1-11,13-21,46-48 and 51 is/are rejected Claim(s) is/are objected to. Claim(s) 1-11 and 13-51 are subject to restriction	e withdrawn from consid	
Applicati	on Papers		
10)	The specification is objected to by the Examiner The drawing(s) filed on is/are: a) acce Applicant may not request that any objection to the o Replacement drawing sheet(s) including the correction The oath or declaration is objected to by the Example.	epted or b) objected to drawing(s) be held in abeya on is required if the drawing	nce. See 37 CFR 1.85(a). g(s) is objected to. See 37 CFR 1.121(d).
Priority u	nder 35 U.S.C. § 119		
a)[Acknowledgment is made of a claim for foreign All b) Some * c) None of: 1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the priori application from the International Bureau ee the attached detailed Office action for a list of	have been received. have been received in A ity documents have beer (PCT Rule 17.2(a)).	Application No n received in this National Stage
2) 🔲 Notice	(s) e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (PTO-948) nation Disclosure Statement(s) (PTO-1449 or PTO/SB/08)	Paper No(Summary (PTO-413) s)/Mail Date informal Patent Application (PTO-152)

Art Unit: 1631

DETAILED ACTION

Applicants' arguments, August 12, 2005, have been fully considered and they are not deemed to be persuasive. Rejections and/or objections not reiterated from previous office actions are hereby withdrawn. The following rejections and/or objections are either reiterated or newly applied. They constitute the complete set presently being applied to the instant application.

Claim Rejections - 35 USC § 112

The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

Claims 1-11, 13-21, 46-48, and 51 are rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the written description requirement. The claim(s) contains subject matter which was not described in the specification in such a way as to reasonably convey to one skilled in the relevant art that the inventor(s), at the time the application was filed, had possession of the claimed invention. This is a NEW MATTER rejection.

Applicants have amended instant claims 1 and 46 to include the limitation "hierarchized" tree in line 4 and line 5 respectively. This limitation does not have a basis in the specification as filed and is therefore NEW MATTER. The closest discussion of a "hierarchized" tree found in the specification is the discussion of determination trees (e.g., page 12 of the specification). However a "hierarchized" tree has a different scope

Art Unit: 1631

than a determination tree. For example, a "hierarchized" tree is any ordered tree, whereas a determination tree is a tree wherein a final determination is made. A "hierarchized" tree does not necessarily have to lead to a determination, nor does a determination tree necessarily have to be hierarchical. Given that the scope of these terms are different and that the term "hierarchized tree" does not have a basis in the specification as filed, the amended claims contain NEW MATTER.

This rejection is necessitated by amendment.

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claim 51 is rejected under 35 U.S.C. 112, second paragraph, as being incomplete for omitting essential steps, such omission amounting to a gap between the steps. See MPEP § 2172.01. The omitted steps are: the method steps of designing a probe after the probe candidate is obtained by performing the method of claim 1.

This rejection is necessitated by amendment.

Claim Rejections - 35 USC § 101

35 U.S.C. 101 reads as follows:

Whoever invents or discovers any new and useful process, machine, manufacture, or composition of matter, or any new and useful improvement thereof, may obtain a patent therefor, subject to the conditions and requirements of this title.

Claims 1-11, 13-21, 46-48, and 51 are rejected under 35 U.S.C. 101 because the claimed invention is directed to non-statutory subject matter.

Art Unit: 1631

The applicants have responded to this rejection by amending claims 1 and 46 to include the limitation of " . . . a determination step of determining a partial base sequence as a probe candidate that is utilized for designing a base sequence to be used as a probe which is hybridized with a nucleic acid fragment to perform analysis . ." and "an output step of outputting the probe candidate." However the amended claims still do not require any performance of a result outside of a computer. The first mentioned step remains a step of determining a partial base sequence as a probe candidate. The additional language added to that step is a description what the probe candidate is intended to do and is not a physical step outside the computer. Thus this step remains a manipulation or conversion of data.

In addition, the step of outputting also does not necessarily require a physical performance outside the computer. Outputting the identity of the probe candidate may occur between databases or between internal hard drives. Thus, the outputting remains within the computer.

In regards to claims 46-48 and 51, the MPEP at section 2106, Part IV, subpart B, also states that claiming non-statutory subject matter, such as in instant claim 1, on a computer medium or in software does not prevent this rejection.

This rejection is maintained from the previous office action and necessitated by amendment.

Conclusion

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Contact Information

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jerry Lin whose telephone number is (571) 272-2561. The examiner can normally be reached on 6:30-5:00, M-Th.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ardin Marschel, Ph.D. can be reached on (571) 272-0718. The fax phone

Application/Control Number: 10/081,554

Art Unit: 1631

number for the organization where this application or proceeding is assigned is (571) 273-8300.

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Application/Control Number: 10/081,554

Art Unit: 1631

Page 7

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JL

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